## AUTHOR INDEX, VOLUME 4

| Bail, W. G., 51       |
|-----------------------|
| Barker, P. G., 265    |
| Barnes, J. G. P., 401 |
| Bate, D. G., 91       |
| Bauer, A. M., 129     |
| Beckermeyer, R., 117  |
| Bell, J. R., 275      |
| Brown, P. G., 139     |

Chapin, N., 341 Cohn, C. E., 402 Coleman, S. S., 5 Cutler, D. N., 215

Desjardins, P., 155 Dill, J., 117

Elshoff, J. L., 117

Far, G. L., 125 Footit, R. M., 309 Fox, D. A., 63 Frailey, D. J., 189 Franta, W. R., 231

Girard, P. M., 279 Glushkov, V. M., 195 Gomaa, H., 199

Hamlet, R. G., 41 Hastings, T. N., 215 Hazel, P., 359 Houle, P. A., 231

Jones, D. A., 163 Joyce, J. D., 191

Kevin, V., 191 Kulsrud, H. E., 241 Lang, T., 63

MacCallum, K. J., 145 Marcotty, M., 79, 117 Milne, W. J., 71 Murray, J., 117

Nolan, L. E., 25

Palme, J., 379 Partington, N. J., 163 Plum, T. W.-S., 251 Poole, P. C., 5

Rose, I. H., 279 Ryder, B. G., 359

Saal, H. J., 129 Schneck, P. B., 59 Schutz, H., 79 Scott, D. B., 279 Scowen, R. S., 181 Shafe, L. T., 145 Spier, M. J., 215 Strauss, J. C., 25, 255

Thomas, R. E., 171 Toll, D. C., 171

Waite, M. W., 5 Whitby-Strevens, C., 309 Whitney, M., 191 Wichman, B. A., 181 Williams, M. R., 237 Wong, K., 255 Wrandle-Barth, C., 289

Zelkowitz, M. V., 51



## KEY WORDS, VOLUME 4

Abstract machine model, 5 Address calculation, 275 ALGOL, 139 Analysis, 199 Analytic model, 255 ANS flowchart standard, 341 APL, 129, 251 Archival storage, 191 Array, 275 Asynchronous interrupts, 117

Backup, 191
Batch system, 231
-transmit, 403
Benchmark, 265
Block structured language, 79
Burroughs, 139
Byte manipulation, 189

case statement, 289
CDC 6000, 199
Characterization, 25
Character manipulation, 189
CLSD, 91
Colouring, 237
Comments, 181, 401
Communication, 231
Compilation, 129, 241
Compiler(s), 51, 181
Conditional statement, 289
COTAN, 163
CRT terminal, 403

Data structures, 275 Debugging, 241 Domain, 215 Dynamic data structure mapping, 155

EDIT, 389
Events, 117
Executive, 41
Extended disk backing, 125
store, 231

Files, 191 Flowchart, 341 Flow diagram, 341 FORTRAN, 145, 241, 359, 403 GEORGE 3, 265 Graphics, 279 Graph theory, 237

Heuristic, 237 High level language, 79

IMP, 241
Indexing, 275
Interactive, 171
debugging, 91
graphics, 71
system, 231
test-bed, 91
Intelligent satellite, 63
Intermediate language, 5
Interrupt handler, 117

Kernel, 215

Language design, 181, 401 List, 379

Management game, 171 Matrix, 275 Maximop, 71 Mixed language system, 145 Monitor, 255 Monitoring, 199 Monoprogramming, 59 Multi-access, 163, 279 Multiprocessor systems, 309 Multiprogramming, 59, 199

Nested control structures, 51

Operating system, 59, 265, 309 design, 215 Optimization, 129 Optimizer, 51 OS/360, 389 Output retrieval, 279

Packing, 189
PASCAL, 155
Performance, 59, 199
PL/1, 379
conditions, 117
Pointer, 379
POP-2, 145, 265
Portability, 5
Process, 41
Program documentation, 181

Programming language(s), 79, 181, 281 Protection, 41, 215

8-Queens problem, 251

Record, 379 Reference, 379 Resource, 199 Run-time checking, 129

Scheduling, 199
Selection, 25
Sharing, 231
SIMULA, 379
Small computer, 63
machine, 309
Software exchange, 163
portability, 359
writing language, 139
Statistics, 241
Storage tube displays, 71
Strings, 401

Structured programming, 51, 341 Subscripts, 275 System chart, 341 Systems programming language, 79

Task queueing mechanism, 63 Testing, 241 Text editor, 389 Timesharing, 25, 309 Trailing blanks, 189 Translation, 129 Transportability, 155

UNCOL, 5 Unpacking, 189 User-mode, 41

Validation, 255 Vector, 275 Virtual storage, 125

Workload, 25

